

APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office MAY 20 1970
 Returned to applicant for correction JUL 2 1970
 Corrected application filed AUG 4 1970
 Map filed AUG 3 1970 under 25618

The applicant Thermal Energy Company
4681 First National Bank Building
 of Dallas, County of _____,

State of Texas 75202, hereby make application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Thermal Energy Co., a Joint Venture composed of John D. Murchison, Clint W. Murchison, Jr., Planet Oil & Mineral Corporation, and E. B. LaRue, Jr.

- The source of the proposed appropriation is Paleozoic carbonate rock reservoir
Name of stream, lake or other source.
- The amount of water applied for is six second-feet
One second-foot equals 448.83 gals. per min.
 (a) If stored in reservoir give number of acre-feet Reservoir capacity, 5,000 ac. ft. acre-feet
- The water to be used for industrial cooling purposes
Irrigation, power, mining, manufacturing, domestic, or other use.
- If use is for:
 - Irrigation (state number of acres to be irrigated) _____
 - Stockwater (state number and kinds of animals to be watered) _____
 - Other use (describe fully under "No. 11. Remarks") _____
 - Power:
 - Horsepower developed _____
 - Point of return of water to stream _____
- The water is to be diverted from its source at the following point: within the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 32, T.16S., R.51E., M.D.B.&M., or at a point from which the NW corner of
Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land, it should be stated.
said Sec. 32 bears N. 72° 00' 45" W. a distance of 1,942.96 feet
- Place of use North half Section 32, T.16S., R.51E., Mt. Diablo Meridian,
Describe by legal subdivision, if on unsurveyed land it should be so stated.
Nye County, Nevada
- Use will begin about January 1st and end about December 31st, of each year.
Month Month
- Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) To be gathered by pipeline, and diverted to a cooling reservoir.
State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.

9. Estimated cost of works Well will cost approximately \$20,000.
10. Estimated time required to construct works Drilling and completing the well will require approximately 1 month.
11. Estimated time required to complete the application to beneficial use 2 - 6 yrs.
12. Remarks The principal use of the water would be for condenser cooling in an electric power plant, which requires 15,000 acre feet per year for each 750 megawatts of capacity. It is proposed to complete to a minimum depth of 800 feet or 200 feet into the carbonate rocks, a sufficient number of adequately spaced test wells to determine by prolonged pumping the approximate equilibrium rate of the carbonate rock reservoir. All wells will be cased and cemented through the valley fill section.
- Applicant Thermal Energy Company

By s/ Robert J. McNutt
P.O. Box 539

Compared km/bk
Pro. on 9/8/70 by Dept. of Fish & Game PRO: on 10/1/70 by Spring Meadows
PRO: on 9/23/70 by Nevada Power Company
SEE FOLDER FOR OF STATE ENGINEER
FURTHER PROTESTS

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed cubic feet per second

Actual construction work shall begin on or before

Proof of commencement of work shall be filed before

Work must be prosecuted with reasonable diligence and be completed on or before

Proof of completion of work shall be filed before

Application of water to beneficial use shall be made on or before

Proof of the application of water to beneficial use shall be filed on or before

Map in support of proof of beneficial use shall be filed on or before

Commencement of work filed IN TESTIMONY WHEREOF, I
Completion of work filed State Engineer of Nevada, have hereunto set my hand and the seal of
Proof of beneficial use filed my office, this day of
Cultural map filed
Certificate No. Issued A.D. 19
Recorded Bk. Page

State Engineer

WITHDRAWN BY APPLICANT
Roland D. Westergaard
STATE ENGINEER